

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

(Use several sheets if necessary)

ATTY. DKT. NO. BAYER 18A SERIAL NO. 09/993,647

APPLICANT

Bernd RIEDL

FILING DATE

GROUP

November 27, 2001

TO BE ASSIGNED

U.S. PATENT DOCUMENTS

Examin Initial	er	Document Number	Date	Name	Class	Subclass	Filing Date
VIR	AA	3,823,161	07/09/74	Lesser	1		
	AB	5,130,331	07/14/92	Pascual	Π) TC
	AC	4,808,588	02/28/89	King	1		54.7
	AD	3,424,760	01/28/69	Helsley et al.			
	AE	3,424,761	01/28/69	Helsley et al.			9
	AF	3,424,762	01/28/69	Helsley et al.			10
	AG	4,071,524	01/31/78	Banitt			C. ==
	AH	4,111,683	09/05/78	Singer			
	AI	4,437,878	03/20/78	Acker et al.			
	AJ	4,643,849	02/17/87	Hirai et al.			
	AK	5,773,459	06/30/98	Tang et al.	1 1	1	,
	AL	5,508,288	04/16/96	Forbes et al.			
	AM	4,062,861	12/13/77	Yukinaga et al.	1		
	AN	4,111,680	09/05/78	Yukinaga et al.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	
	AO	4,116,671	09/26/78	Yukinaga et al.		1	
	AP	4,212,981	07/15/80	Yukinaga et al.	1	M	
	AQ	5,162,360	11/10/92	Creswell et al.		ĺλ	
	AR	4,514,571	04/30/85	Nakai et al.		N	
	AS	3,754,887	08/28/73	Brantley			
	AT	3,646,059	02/29/72	Brantley			
	AU	5,696,138	12/9/97	Olesen et al.			
\top	AV	5,780,483	7/14/98	Widdowson et al.	1	1.	
1	AW	4,405,644	9/20/83	Kabbe et al.			
	AX	4,473,579	9/25/84	Devries et al.			
	AY	4,526,997	7/2/85	O'Doherty et al.			
	AZ	4,468,380	8/28/84	O'Doherty et al.			
	BA	4,623,662	11/18/86	De Vries	17:		
\neg	BB	4,985,449	1/15/91	Haga et al.	\prod		
	BC	5,312,820	5/17/94	Ashton et al.	ΠT^{-}		
	BD	4,410,697	10/18/83	Török et al.	17		
	BE	4,001,256	1/4/97	Callahan et al.	1/		
\neg	BF	5,399,566	3/21/95	Katano et al.	7/		
V	BG	5,500,424	3/19/96	Nagamine et al.	7		

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NOR	BH	5,597,719	1/28/97	Freed et al.	 /	
1	BI	4,183,854	1/80	Crossley		
	BJ	3,828,001	8/74	Broad et al.	\times	
	BK	4,740,520	4/88	Hallenbach et al.		
1	BL	5,319,099	6/7/94	Kamata et al.		

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Examin Initial	er	Document Number	Date	Country	Class	Subclass	Trans	Translation	
amuai	•	TARITIMET		Country J			Yes	No	
WR.	ВМ	EP 335156	03/11/89	European				Х	
	BN	EP 459887	05/28/91	European				X	
	ВО	EP 371876	11/28/89	European				Х	
	BP	93/24458	12/9/93	wo			X		
	BQ	2,146,707	10/12/95	Canada			X		
	BR	96/40673	12/19/96	wo			X		
	BS	94/14801	07/07/94	wo			X		
	ВТ	94/25012	11/10/94	wo			X		
	BU	1,590,870	06/10/81	England			X		
	BV	93/18028	09/16/93	wo -			X		
	BW	94/18170	08/18/94	wo			X		
	BX	DE 3305866 A1	02/19/83	Germany				Х	
	BY	95/02591	01/26/95	WO			X		
	BZ	95/13067	05/18/95	wo		M	X.		
	CA	95/07922	03/23/95	wo		V	X		
	CB	95/31451	11/23/95	wo		Λ	X		
	CC	A1 96/40675	12/19/96	wo			Х		
	CD	JP 53 086033	7/29/78	Japan					
	CE	JP 51 063170	1/6/76	Japan					
	CF	97/49400	12/31/97	wo					
	CG	97/49399	12/31/97	WO					
	СН	96/40673	12/19/96	wo					
	CI	99/00357	1/7/99	WO					
	CJ	97/45400	12/4/97	wo				-	
	CK	96/02112	3/8/90	wo					
	CL	99/00370	1/7/99	WO					
	CM	97/29743	8/21/97	WO					
	CN	98/22432	5/28/98	WO					
	CO	96/25157 A1	8/22/96	wo					
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NOR	CR	Scott, Bill, "Substructure (Patent Families)," August 11, 1997, pages 1-19.
UR	CS	Scott, Bill, "Substructure #2," November 25, 1997, pages 1-3.
	CT	"Beilstein number" Collection, 28 pages.
	cu	"Beilstein Collection," 4 pages.
VOR	CV	Scott, Bill, "Substructure Search," December 2, 1997, pages 1-51.
,	-CX	Substructure Search, pages 1-30.
-	CY	Derwent World Patents Index Search, pages 20-26.
WR	CZ	Abstract of EP 116,932, 1984
OP	DA	Abstract of EP 676,395 , 1995
OOR	DB	Abstract of EP 202,538 1996
VDR.	DC	Abstract of EP 16,371 / 1980
DL.	DD	Avruch et al., "Raf meets Ras: completing the framework of a signal transduction pathway", TIBS 19; July 1994; pp. 279-2823.
WR	DE	White, A. D., et al., "Heterocyclic Ureas: Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase as Hypochelesterolemic Agents," June 6, 1996, pages 4382-95.
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		Forbes, Ian T., "N-(1-Methyl-5-indolyl)-N'-(3-methyl-5-isothiazolyl)urea: A Novel, High-Affinity 5-HT _{2B} Receptor Antagonist," March 17, 1995, pages 855-57.
	DH	Boulton, A. J., et al., "Heterocyclic Rearrangements. Part X. A Generalised Monocyclic Rearrangement," 1967, 2005-07.
	DI	N. S. Magnuson, et al., "The Raf-1 serine/threonine protein kinase," Cancer Biology, vol. 5, 1994, pages 247-253.
	DJ	G. Daum, et al., The ins and outs of Raf Kinases,:" TIBS 19, November 1994, pages 474-80.
	DK	W. Kolch, et al., "Raf-1 protein kinase is required for growth of induced NIH/3T3 cells," Letters to Nature, vol. 349, January 31, 1991, page 226-28.
	DL	M. Fridman, et al., "The Minimal Fragments of c-Raf-1 and NF1 That Can Suppress v-Ha-Ras-Induced Malignant Phenotype," The Journal of Biological Chemistry, vol. 269, no. 48, December 2, 1994, pages 30105-108.
	DM	G. L. Bolton, et al., Chapter 17. Ras Oncogene Directed Approaches in Cancer Chemotherapy, Annual Reports In Medicinal Chemistry, vol. 29, 1994, pages 165-74.
	DN	J. L. Bos, "ras Oncogenes in Human Cancer: A Review," Cancer Research, vol. 49, September 1, 1989, pages 4682-89.
	DO	Michaelis, Justus, Liebigs Ann. Chem. (JLACBF) 397, 1913, 143.
	DP	B. P. Monia, et al., "Antitumor activity of a phosphorothioate antisense oligodeopxynucleotide targeted against C-raf kinase," Nature Medicine, vol. 2, No. 6, June 1996, pages 668-75.
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		Ridley, et al., "Actions of IL-1 are Selectively Controlled by p38 Mitogen-Activated Protein Kinase," The American Association of Immunologists, 1997, page 3165-73.
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T	DV	3,743,498	7/3/73	Brantley	1		
	DW	3,547,940	12/15/70	Brantley			
	DX	5,432,468	7/11/95	Moriyama et al.			
-	DY	1,742,156	2/31	Fitzky			
	DZ	2,046,375	7/36	Goldstein et al.			
	EA	2,093,265	9/36	Coffby et al.			
	EB	2,288,422	6/42	Rohm			
	EC	2,683,082	7/54	Hill et al.			
	ED	2,745,874	5/56	Schetty et al.			•
	EF	2,781,330	2/57	Downey			
	EG	2,867,659	1/59	Model et al.			
	EH	2,877,268	3/59	Applegate et al.			
	EI	2,960,488	11/60	Tamblyn et al.		17	
	EJ	3,689,550	9/72	Schellenbaum et al.			
	EK	3,860,645	1/95	Nikawitz		V	
	EL	5,423,905	6/95	Fringeli		Ĭ.	
	EM	2,973,386	2/61	Weldon			
	EN	3,230,141	1/66	Frick et al.			
	EO	4,863,924	9/89	Haga et al.	$\int \int \int$		
	EP	4,511,571	4/85	Böger et al.			
	EQ	4,173,638	11/79	Nishiyama et al.			
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	ES	4,820,871	4/89	Kissener et al.			
	ET	4,983,605	1/91	Kondo et al.			
	EU	5,098,907	3/92	Kondo et al.			
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	EX	5,429,918	7/95	Seto et al.			
	EY	3,151,023	9/64	Martin			
	EZ	3,200,035	8/65	Martin et al.	T	\	
	FA	5,807,891	9/15/98	Bold et al.			
1//	FB	4,009,847	3/1/77	Aldrich et al.	1		

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					Class	Subclass	Yes	No
18h	FC	95/33458	12/14/95	wo		/		
	FD	0 771 333	3/57	Great Britain				
	FE	0 921 682	3/63	Great Britain		X		
	FF	0 253 997	2/88	East Germany	7			
1	FG	0 405 233	1/91	Europe				

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NA	R	FH	1 457 172	9/66	France	\		<u></u>
١		FI	0 487 014	12/29	Germany			
		FJ	0 511 468	10/30	Germany			7
		FK	0 523 437	5/31	Germany			
	П	FL	44 2569	2/69	Japan			
	П	FM	55 98152	7/80	Japan			
	П	FN	94 22807	10/94	WIPO			
		FO	3 532 47	3/91	Japan		V_{-}	
		FP	0 828 231	10/56	Great Britain		Λ	
		FQ	50-149668	11/75	Japan			
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		FS	60-76072	6/75	Japan	7		
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V	H	FX	Tarzia, G. et al. ' pyrrolo(1H,3H)[1979, No. 74558	Whythesis and 3,4-d]pyurimid p; page 594.	anti-inflammatory properties of some pyrrolo(1H,3n-2-ones and pyrrolo(1H,3H)-pyrimidin-2-ones. C	H)[3,4]pyrimi hemical Abstra	din-2-one acts, 27 A	es and August
W	2	FY	Abstract WO 992	22103 , Hedge 2	28 May 1998			
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Form PTO 1449 (Modified)	•	U.S. DEPARTMENT OF PATENT AND TRADE		ATTY DOCKET NO. BAYER 18A		SERIAL NO. TO B	E ASSIGNED
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VOR	AN	9,852,559	11/1998	wo			
	AO	9,852,558	11/1998				
	AP	9,932,436	7/1999	wo			
	AQ	9,932,106	7/1999	wo			
	AR	9,932,455	7/1999	wo	_		
	AS	9,932,463	7/1999	wo		****	
	AT	9,932,111	7/1999	wo			
	AU	9,932,110	4/1999 11/1998				
	AV	9,933,458		<u> </u>	 -		
				Including Author, Title, Date, Pertinent	Pag	es, etc.)	
•	AW	Appin No. 08/863,021, M	ay 23, 1997,	HAP KINASE INHIBITORS			
.	AX	Appln No. 08/863,022, M	a y 23, 1997,	RAF Kinase Inhibitore			
-	AY	Unassigned, December 2	2, 1998, Inbi	bition of RAF Kinase Using Symmetrical	Sub	stituted Diphenyl	Ureas
	AZ-	Appin No. 09/479,125, Dufavor of Bayer 8C1 Serial	No. 09/640,	1996, inhibition of PAP Kingse Using Sui 780 filed August 18, 2000)	bstitt	ated Heterocyclic	Ureas (Abandoned in
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SHEET 2 OF 2

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. BAYER 18A	SERIAL NO. 09 1993,647					
LIST OF REF	ERENCES CITED BY APPLICANT	APPLICANT Bernd RIE	DL et al.					
		FILING DATE November 27, 2001	GROUP TO BE ASSIGNED 624					
		(Including Author, Title, Date, Pertinent Pag						
	Substituted Heterocyclic Urea							
	Appln No. 09/458,015, Decem Unsymmetrical Diphenyl Urea	nber 10, 1999, Inhibition of P38 Kinas is	e Activity Using Symmetrical and					
AAI	Appln No. 09/458,014, Dece Heterocyclic Ureas	mber 10, 1999, Inhibition of P38 Kir	nase Activity Using Substituted					
AAI	Unassigned, December 22, 199 Heterocyclic Ureas	98, Inhbition of RAF Kinase Using Aryl	and Heteroaryl Substituted					
,	Appin No. 09/425,229, October Inhibitors	or 22, 1999, ω-Carboxy Arly Substitut	od Diphenyl Ureas P38 Kinase					
OR AA	Kubo, Hiroshi et al. "Herbicidal activity of 1,3,4-thiadiazole derivatives" J. Agr. Food Chem. (197 18(1), 60-5							
AAG	Caplus 95:61995, Abstract JP 55162772, Substituted acetic derivatives., Shionogi & Co., May 23, 19							
AAI		57053785, Pyridine derivatives, Maeda	Ryozo et al., November 15, 1982					
AA		56029871, Hamada Yoshinori et al., J	luly 10, 1981					
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SHEET 1 OF 2

Form PTO 1449 (Modified)		U.S. DEPARTMEN PATENT AND TRA	IT OF COMMERCE ADEMARK OFFICE	SERIAL NO. 09 1991647 BAYER 18A TO BE ASSIGNED					
LIST O	F REF	ERENCES CITED BY APF	PLICANT	APPLICANT Be	ernd RIE	DL			
				FILING DATE		GROUP	2 24 211		
				November 27, 2001			O-BE ASSIGNED 1624		
			U.S	PATENT DOCUMENTS					
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WR	AA	5,429,918	4 July, 1995	SETO ET AL.					
ì	AB	5,814,646	9/29/1998	HEINZ	-,		ОТ.		
	AC	4,042,372	8/16/1977	HARPER			47		
	AD	3,990,879	11/9/1976	SOPER			336 936		
1/	AE	5,185,358	2/09/1993	CRESWELL			2/6 2/9		
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VOK	AO	16371	3/5/80	EŖ					
	AP	676395	7/17/1996	EP		<u> </u>			
	AQ	2436179	2/6/1975						
	AR	242666	10/28/1987			 			
	AS	99/32111	7/01/1999	WO r	 				
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WR	AW	Kubo, Hiroshi et al: "hert	bicidal activity"	J. Agr. Food Chem, (1970), 18(1), 60	J-5				
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SHEET 2 OF 2

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEN	COMMERCE MARK OFFICE	ATTY DOCKET NO. BAYER 18A		SERIAL NO.	09 93,647		
LIST OF	REFER	RENCES CITED BY APPL	ICANT	APPLICANT	Reid	l et al.			
				FILING DATE November 27, 2001		GROUP	EASSIGNED 1624		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
OCK	AA	5,698,581	12/16/97	KLEEMANN ET AL.	4				
1	AB	4,760,063	07/26/88	HALLENBACH ET AL.					
	AC	4,240,820	12/23/80	DICKORE ET AL.					
	AD	5,908,865	6/1/1999	DOI ET AL.					
	AE	6,080,763	6/27/2000	REGAN ET AL.	-				
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UK.	AO	DE 35 29 247 A1	8/20/85	Germany .					
	AP	DE 35 40 377 A1	11/14/85	Germany					
	AQ	00/17175	09/16/99	wo					
	AR	99/23091	5/14/1999						
	AS	98/22103	5/28/1998	wo					
	AT	00/43384	7/27/2000						
	AU	00/55152	9/21/2000	wo					
	ΑV	00/55139	9/21/2000	wo					
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W	AW	Abstract of EP 676,395 (U.S. equivale	ent 5,698,581) / 1995					
	AX	Abstract of EP 4931 (U.S	6. equivalent	4,240,820) , 1979		·			
	AY	Abstract of DE 3305866	(EP equivale	nt 116,932) ; 1484					
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